

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-12 (canceled).

Claim 13 (new): A magnetic field analysis method comprising the steps of:
calculating permeance coefficients at multiple sites in a permanent magnet and/or numerical values that are dependent on the permeance coefficients based on B-H curve data of the permanent magnet at a first temperature T1; and

deriving modified B-H curve data of the permanent magnet, which has been operated at a second temperature T2 that is different from the first temperature T1, for the respective sites based on B-H curve data of the permanent magnet at the second temperature T2 and the permeance coefficients or the numerical values as stored in the memory means.

Claim 14 (new): The magnetic field analysis method of claim 13, comprising the step of deriving the modified B-H curve data at a third temperature that is different from the second temperature T2.

Claim 15 (new): The method of claim 13, further comprising the step of storing the modified B-H curve data in a memory of a calculator.

Claim 16 (new): A magnetic field analyzer comprising memory means for storing B-H curve data of a selected permanent magnet at multiple temperatures and computing means,

wherein the computing means carries out the steps of:

calculating permeance coefficients at multiple sites in the permanent magnet and/or numerical values that are dependent on the permeance coefficients based on B-H curve data of the permanent magnet at a first temperature T1 as stored in the memory means; and

deriving modified B-H curve data of the permanent magnet, which has been operated at a second temperature T2 that is different from the first temperature T1, for the respective sites based on B-H curve data of the permanent magnet at the second temperature T2 and the permeance coefficients or the numerical values as stored in the memory means.

Claim 17 (new): The magnetic field analyzer of claim 13, wherein the computing means stores the modified B-H curve data in the memory means.

Claim 18 (new): A magnetic field analysis program, which is defined so as to make a computer carry out the steps of:

calculating permeance coefficients at multiple sites in a permanent magnet and/or numerical values that are dependent on the permeance coefficients based on B-H curve data of the permanent magnet at a first temperature T1; and

deriving modified B-H curve data of the permanent magnet, which has been operated at a second temperature T2 that is different from the first temperature T1, for the respective sites based on B-H curve data of the permanent magnet at the second temperature T2 and the permeance coefficients or the numerical values.

Claim 19 (new): The magnetic field analysis program of claim 18, which makes the computer carry out the step of deriving the modified B-H curve data at a third temperature that is different from the second temperature T2.

Claim 20 (new): The magnetic field analysis program of claim 18, which makes the computer further carry out the step of storing the modified B-H curve data in a memory of a calculator.

Claim 21 (new): An additional module program for magnetic field analysis, wherein a magnetic field analysis program makes a computer carry out the steps of:

calculating permeance coefficients at multiple sites in a permanent magnet and/or numerical values that are dependent on the permeance coefficients based on B-H curve data of the permanent magnet at a first temperature T1; and then

deriving modified B-H curve data of the permanent magnet, which has been operated at a second temperature T2 that is different from the first temperature T1, for the respective sites based on B-H curve data of the permanent magnet at the second temperature T2 and the permeance coefficients or the numerical values.

Claim 22 (new): The additional module program for magnetic field analysis of claim 21, which makes the computer carry out the step of deriving the modified B-H curve data at a third temperature that is different from the second temperature T2.

Claim 23 (new): The additional module program for magnetic field analysis of claim 21, which makes the computer further carry out the step of storing the modified B-H curve data in a memory of a calculator.

Claim 24 (new): A method for producing a magnetic circuit, the method comprising the steps of:

doing a magnetic field analysis on a magnetic circuit, including multiple permanent magnets that have been demagnetized at the second temperature T2, by the magnetic field analysis method of claim 13; and

making the magnetic circuit, including selected one of the permanent magnets, based a result of the magnetic field analysis.